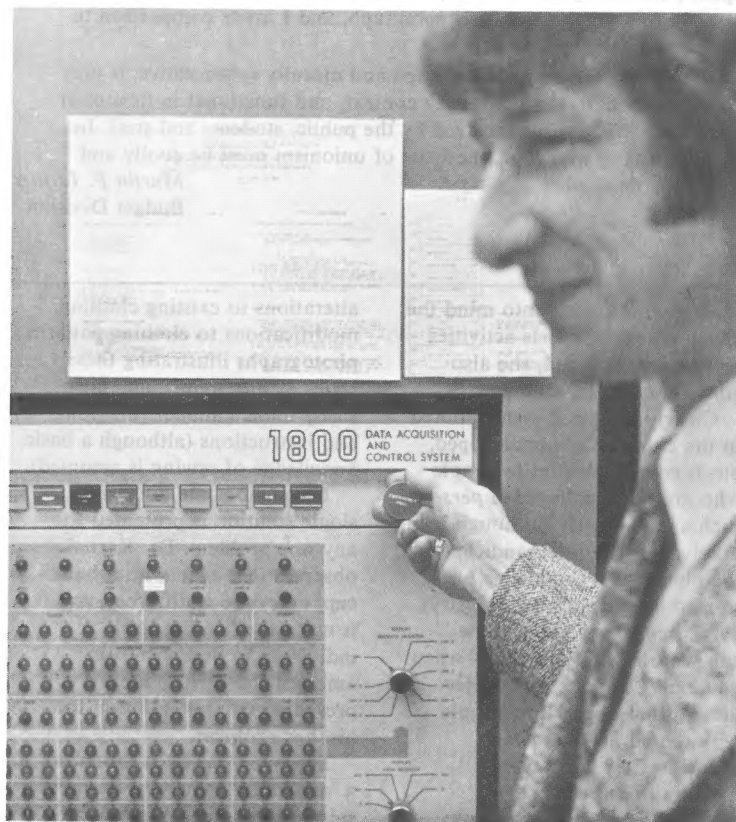


FOLIO

DACS IBM 1800 1967-1979

A moving ceremony was held in the Department of Chemical Engineering's Data Acquisition, Control and Simulation Centre (DACS) on Friday, 2 February 1979. The IBM 1800 which had served the Department so faithfully for almost twelve years finally went to meet its maker. Grief was restrained but very evident as Grant Fisher, Professor of Chemical Engineering, staff, present and past students, cele-

brated the passing of the IBM 1800. Calling to mind the events of March 1967, when the 1800 was first brought on line, Dr. Fisher reviewed the subsequent performance of the DACS Centre. During the twelve years of the 1800's existence in the Department of Chemical Engineering some 10 PhDs have been conferred on students using the system, and some 30 MSc degrees and four MEng degrees have been awarded.



The final moments of the Department of Chemical Engineering's IBM 1800. The Last Current and celebrant Don Wilcox of IBM (Job 1, 29).



The Last Words.

Following the poignant Last Words, "The End—Goodbye," of the 1800, last rites were ordered thus: Last Communication, Last Cartridge, Last Command, and the ultimate Last Current. The eulogy was then delivered by Vlad Berka, Manager of the DACS Centre.

Mr. Berka pointed out, in recognition of those who carry on, that the solmen, spiritual event—the end of an era—should be the occasion for optimism and hope. Already within the Centre, the 1800's successors, the Hewlett-Packard 1000 (21MXE) mini-computers which form the heart of the "distributed computer network" installed in the Department of Chemical Engineering, stand silently performing their tasks.

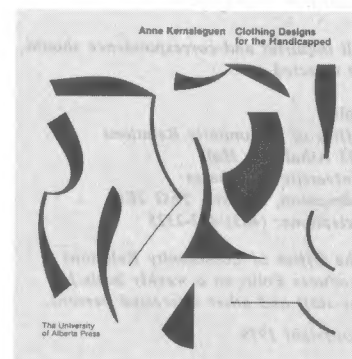
At the close of the service, a period of mourning took place at the Faculty Club. □

Clothing for the Handicapped

The clothing industry has been notorious for focussing its attention on the young and lithe and lively, largely to the exclusion of those who do not fit into these categories. Longer life expectancies and advanced medical techniques that save the lives of many victims of accidents and crippling diseases are resulting in an increasing proportion of chronically handicapped persons in our society. Although handicapped people have been shamefully neglected in Canada until very recently, at least now we are beginning to acknowledge their special needs.

A recent release of The University of Alberta Press, *Clothing Designs for the Handicapped* by Anne Kernalaguen, Professor of Home Economics and Head of the Clothing and Textiles Division in that Faculty, is full of good ideas for handicapped people, good ideas that extend beyond clothing designs.

Dr. Kernalaguen believes that clothing is important to everyone for physical, social, and psychological well-being. For handi-



colloquy

"Colloquy" is a column devoted to the free expression of opinions held by members of the University community. The criteria for the use of this space are simple. Submissions should be no longer than 1,000 words, and they must be typed and double spaced. Submissions must deal with issues that are of general interest to the University community, and they should be signed. While Folio is the official newsletter of the University of Alberta, the opinions expressed here will not necessarily reflect University policy or the opinions of the Editor. Submissions should be sent to Colloquy, Office of Community Relations, 423 Athabasca Hall. Submissions will not be returned, and the Editor cannot guarantee publication.

Under the aegis of Colloquy in *Folio*, vol. 15, number 29, a valued member of the academic staff of the University of Alberta—Richard d'Alquen—has brought his limpid vernacular to bear on the vexatious question as to whether the AAS:UA needs statutory provision vis-à-vis the Board of Governors, or not.

The division of the present article into sections will correspond to the structure not of Mr. d'Alquen's article, but of the critical reflections which the article has stimulated in this reader.

The main thrust of the article is to equate trades-unionism with almost all the ills which our society has fallen heir to. As I find that some members of the Association whom I respect consider that it has achieved its purpose successfully, I have come to the conclusion that a polemical reply is called for.

My understanding of "colloquy" is a dialogue. Unfortunately Mr. d'Alquen has given us a monologue. A monologue, moreover, which is intemperate of climate, strident of tone and hyperbolic of language. The sweeping generalities of his "observations"; evil, criminal mentality, terrorism, etc. (laid down with an aura of imprimatur), engender an air of d'Alquen vs Strawman. The discipline of documenting his adversaries might have operated now and again as a corrective, by leading him to wonder whether all unions do act quite the way he supposes, on certain points, after all. The almost total

absence of citations has also other disadvantages, apart from the polemical point. Finding so much in the article that is familiar but unattributed, a less than omnivorous reader is in danger of supposing that unfamiliar parts are old too, thus giving the author less than his due.

Mr. d'Alquen notes "... the usual favouring of union-like status. . . ." What on earth can this mean? Are employers' associations union-like? Is the Alberta Medical Association union-like? If the AMA is union-like, would he have us outlaw it and return to laissez-faire and snake oil? Is this last a justifiable comparison, however distasteful?

The lone citation afforded us is "... the significant implication that resistance to unionism is "bias" (page 6, middle)." There is no such implication. The word "bias" does not appear. Mr. d'Alquen, by use of quotation marks, says bias was mentioned but not used. This is a classical instance of the age-old misunderstanding of the difference between use and mention. In view of this unfortunate lack of clarity, we can but ignore this portion of the article.

To paraphrase Mr. d'Alquen, he asks "How can we hide behind an association with the function of a union?" We are also asked to consider historical aspects of trades-unionism. It is an historical and current fact that many members of the union movement, far from hiding behind their association, had the high courage to stand up and be counted—and not a few suffered dire consequences. Some of the benefits of these brave men and women fought for have accrued to us, union members or not.

The above having been said, it should be stressed that Mr. d'Alquen's article does have considerable direct value, albeit in an ironically negative way: the very misconceptions which he has aired are socially significant so that it is important to have brought them out into the open, particularly as they are probably not peculiar to him.

The following is my final paragraph, and I invite comparison to Mr. d'Alquen's final paragraph.

Unionism can be broad minded and morally regenerative, it may be appropriate to the University context, and functional in its aim of increasing the benefits received by the public, students and staff. In the interests of everyone, the issue of unionism must be coolly and rationally debated.

Martin F. Loftus
Budget Division

FOLIO

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Number Thirty-two

All inquiries and correspondence should be directed to:

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Clothing

(continued from page one)

capped persons, its importance increases, as clothing becomes either another source of frustration and alienation or a real means of contributing to their rehabilitation. She outlines a set of criteria for clothing for the handicapped, in order of priority, with "independence" and "appearance comparable to others" at the top of the list. She goes on to discuss the special needs of the elderly, especially elderly women; of people using crutches, wearing leg braces or casts or artificial limbs; of people who are chair-bound or bedridden; of women who have mastectomies; of people who are blind, or obese, or

incontinent. Taking into mind the development of sports activities for the handicapped, she also considers athletic clothing.

Clearly her book is not limited to the chronically handicapped, but is equally helpful to people who are not handicapped *per se*, such as the elderly (although aging involves many little handicaps), the obese (who are just as badly treated by the clothing industry), even pregnant women (how can you tie your shoe laces when you can't see your feet?). Her ideas are also useful to people with temporary handicaps, occasioned by surgery or a nasty fall on the ski slope.

The main part of the book consists of descriptions of style suitable for special problems,

alterations to existing clothing, modifications to clothing patterns, photographs illustrating these styles or alterations, and clear, easily understandable diagrams and instructions (although a basic knowledge of sewing is assumed).

Throughout the book, no single solution is presented for any one problem. Dr. Kernaleguen observes that even with a handicap, everyone is different, and it is up to the handicapped individual to discover from amongst the various ideas presented the best solution for his/her problem.

The book has been produced in a large, easy to handle format: its spiral binding permits it to lie flat without being held, an advantage to both a handicapped

reader and to a person who wishes to use the book as a practical sewing manual.

It is interesting to note that the bulk of source material is unpublished theses and rather ephemeral pamphlets, with a few books listed, none of which covers the area so broadly as this volume. Clearly, research is being done for the handicapped, but that research becomes less helpful if it is unavailable to the people who need it. Publishing works such as *Clothing Designs for the Handicapped* is clearly one way the University can be directly useful to the community.

Dr. Kernaleguen's work and the publication of her book were assisted in part by a grant from the Alma Mater Fund.

Copies of *Clothing Designs for the Handicapped* may be obtained from the University Bookstore or directly from the University of Alberta Press, 450 Athabasca Hall, at \$15. □

Tri-University Conferences

A series of conferences on teacher education has been initiated by the deans of the faculties of education in the three Alberta universities. Responsibility for the first conference has been assigned to the Faculty of Education at this University. The first conference will be held at the Jasper Park Lodge from 30 April to 2 May. Its purpose is to obtain and apply knowledge of changing conditions and relationships in Alberta to the preparation and utilization of teachers.

The Conference will involve educators and people concerned with education in a task force format. Groups of people have been organized to relate data concerned with economic trends, technological developments, cultural changes, social changes, and teacher role changes to the job of educating and deploying teachers in Alberta. These data are being collected and organized by experts in the appropriate fields. The resulting information

will be analyzed for its implications for teacher education and teacher utilization.

At the Conference, the task forces will present to all of the delegates summaries of the data. Delegates will have the opportunity to discuss and assimilate the information so that it can be used to help them in their respective responsibilities in the field of education.

The conference will be highlighted by an address by Norman Goble, Secretary General of the Canadian Teachers' Federation and by a closing address by Walter Worth, Dean of the Faculty of Education at this University.

The planning for the Conference has been done by a committee which includes representation from the universities, the Alberta Teachers' Association, Alberta Education, Alberta Advanced Education and Manpower, and the Alberta School Trustees' Association. The conference director is Professor Lorne Stewart of the Faculty of Education. Further information about the conference is available by contacting Dr. Stewart, telephone 432-5861. □

University Hosts Canada West Finals

The athletic competition should prove entertaining this weekend when the University of Alberta teams host the Canada West finals in both gymnastics and track and field.

Friday and Saturday, 16 and 17 February, the Kinsmen Fieldhouse will be the setting for the track and field competition which will feature athletes from the Universities of Calgary, Saskatchewan, and British Columbia in addition to the Alberta Golden Bears and Pandas. Competition begins at 7 p.m. Friday and at 6 p.m. the following day.

Saturday and Sunday, 17 and 18 February, the Golden Bear and Panda gymnasts will test their abilities in the Canada West Gymnastics Finals being staged in

University Press Director Appointed

Norma Gutteridge has been appointed the new Director of the University Press. The appointment, effective 1 July 1979, marks the culmination of a ten-year effort to create a press at the University of Alberta, a press designed to serve not only researchers here but also university faculty members across North America.

From September 1969, when the University's Board of Governors approved the proposal for the creation of a press office, to the move to its present location in Athabasca Hall in July 1977, Norma Gutteridge and her husband, retiring director L.E.S. Gutteridge, have been heavily involved in the establishment and operation of all aspects of the Press. The Press, she feels, is gaining a strong reputation for high quality work and is increasing its interest in publishing research into the Canadian West.

Originally from England, Mrs. Gutteridge realizes that her views of Canada and the Commonwealth literature generally have changed radically over the years. She says that the literary perspective of so many English people now appears to be strangely narrow and provincial. There is a unique western Canadian experience, different entirely from anything European or American, that makes for a distinctive literature and most English people know nothing about it. She feels they are deprived.

the Main Gymnasium. Other female competitors will come from the Universities of Calgary, British Columbia, and Manitoba; the men's events will feature an additional team, that from the University of Victoria. On Saturday the participating athletes will begin their warm-up at 5:30 p.m. and competition is to commence at 7:30 p.m. On Sunday, warm-up is scheduled to begin at 11:00 a.m. with competition to follow at 1:00 p.m. □



A proposed tour of the prairie university campuses will, Mrs. Gutteridge hopes, encourage authors and researchers to look to the University of Alberta Press for distribution of their findings

Mrs. Gutteridge hopes to strengthen the list in the areas where a substantial start has been made: in western literary criticism and history, French literary criticism, and general scientific work. □

Non-Academic Staff Collective Agreement

Following a hearing on Monday, 5 February, the Public Service Employee Relations Board (PSERB) approved an application from the Non-Academic Staff Association for arbitration of a new collective agreement. Under the provisions of the Public Service Employees Relations Act, either negotiating party (the employer and the certified association of employees) may request arbitration.

Both representatives of the Board of Governors and the Non-Academic Staff Association were present at the hearing on 5 February to provide information to the PSERB on the current state of negotiations.

While the matter will be submitted to arbitration within the next little while, it is to be noted

that several items to be included within the new collective agreement have gained the approval of both the Board and NASA. Also, the PSERB is currently reviewing other items before ruling on whether or not they are appropriate to the arbitration process.

To date (9 February) the Board of Governors has not named its representative at the proposed arbitration hearings. The representative for NASA will be Mr. Andrew Sims, an Edmonton lawyer. □

GFC Agenda

A meeting of the General Faculties Council will be held on Monday, 19 February 1979, at 2 p.m. in the Council Chamber, University Hall.

Agenda:

1. Approval of the Agenda
2. Approval of the Minutes
3. Question Period

Reports:

4. Executive Committee Reports
5. Report of the Board of Governors
6. Report of the Nominating Committee

New Business

7. Academic Standings: Requests from Faculty of Business Administration and Commerce
8. Service Courses: GFC Policy
9. GFC Library Committee: Proposals for Revised Composition
10. University Priorities Committee Final Report: Deferred Items
11. Other business □

Edmonton Non-Citizens Aid

Edmonton Non-Citizens Aid is a non-profit society that has been recently formed to provide legal assistance and information to individuals involved in difficulties regarding immigration. The Society is operated by a Board of Directors comprising members of Student Legal Services and other community organiza-

Junior Atlas of Alberta

Next fall, Alberta students in grades 4, 5, and 6 will have a new reference book, courtesy of the Department of Geography and the Alberta Heritage Learning Resources Project. The book is a junior atlas of Alberta and, according to the department, it will be the first regional atlas at the junior level published in Canada.

About 110,000 copies of the five-color, 8½ by 11-inch atlas will be printed in Edmonton early in June. The atlas will then be distributed to all public schools in the province. The 80-page work will contain a section on basic map skills; a large number of accurate, simplified maps; and a minimum amount of text. Alberta's soils, natural vegetation, historical base, resources and economy will be detailed, as will Alberta's position in Canada and the world.

The atlas has been pre-tested in a few schools and, where necessary, information has been changed to allow for ready understanding by children. Production of the atlas began last August when the department received funding from the Alberta Heritage Savings Trust Fund. Twelve individuals, including atlas co-ordinator Robert Wong, are

tions. An office, located in 230 Students' Union Building, telephone 432-2240, is staffed by law students, lawyers, and other volunteers.

Edmonton Non-Citizens Aid was formed because of the increase in the number of individuals having immigration problems in the wake of the passage into law of the new Immigration Act and Regulations in April of 1978. The removal of discretion in certain areas of practice by the Department of Employment and Immigration has resulted in significant hardships in a number of cases, and in individuals being deported where this was not previously done.

working on the junior atlas. A spokesman for the department said the atlas may be translated



into French and Ukrainian at a later date. Commercial sales of the atlas will also be considered. □



Solar Eclipse

Only the partial phases of the eclipse will be visible from Edmonton with, at maximum, ninety-three percent of the Sun being covered by the Moon. Weather permitting, the observatory on the roof of the Physics Building will be open between 8:30 a.m. and 11 a.m. (MST) for viewing this spectacle.

At the observatory, a completely safe system of image projection is employed when observing the sun. The only other safe pro-

cedures for viewing the partially eclipsed Sun and for photography are the pin-hole camera technique or the use of a number-14 welder's glass. Direct exposure of the eye to the light of the partially eclipsed Sun may cause permanent blindness. □

Senate Meeting

The University of Alberta Senate will meet on Friday, 23 February, from 9 a.m. to 3:30 p.m. in the Council Chamber of University Hall.

Among the topics to be considered will be the Report of the Task Force on Visa Students and a follow-up on the Task Force on Native Students. There will also be a presentation by the Faculty of Arts, and a question and answer period.

The Agenda of this Senate Meeting will be published in next week's *Folio*. □

Service Award

Due to an oversight, the name of Yvonne E. Goodman of the Department of Medical Bacteriology was not included in the list of individuals who received long service awards that was published

in the 25 January edition of *Folio*.

Miss Goodman was first appointed to the staff of the University of Alberta in 1952. Her first appointment was to the Provincial Laboratory of Public Health on a non-academic basis, and in 1963 she transferred to the academic staff, making a total of twenty-seven years of service to the University. □

New Institute Proposed

The Division of East European Studies, an academic unit in Interdisciplinary Studies, is preparing a position paper on the University's role in the proposal the Central and Eastern European Studies Society of Alberta (CEESSA) submitted to the government for the establishment of an Institute for Central and East European Studies. Community working committees prepared submissions for the following components: Baltic (Estonian, Latvian, Lithuanian, Baltic-German); German; Hellenic; Hungarian; Judaic; Polish; Romanian; Scandinavian; and South-Slavic.

Loan copies of the detailed proposal are available from the Division and from departmental representatives to the Division's Advisory Council in the Departments of Educational Psychology, Geography, Sociology, Physical Education, Ukrainian Studies, Educational Foundations, Economics, Political Science, Comparative Literature, Slavic Languages, History, and Canadian Studies. Summaries of the proposal are available from the Division's office, 300 Athabasca Hall.

Departments and interested individual faculty members are invited to submit to the Director, Dr. M. Gulutsan, their views and recommendations on the proposal and, later, on the revised proposal.

An informal open session on the proposed Institute is scheduled for Thursday, 22 February at 3:30 p.m. in Room 311, Athabasca Hall. Interested faculty from all departments are invited. □

research reporter

The Research Reporter, primarily designed to attract the interest of persons in the commercial communications media, is included in Folio on a monthly basis because of the interest shown by the University community in its brief reports. Short descriptions of research—any kind of research—should be sent to Research Reporter, Office of Community Relations, 423 Athabasca Hall. All reports are checked with those concerned prior to being printed.

Native Grasses Being Developed for Commercial Use

Attempts at using common agricultural grasses for rangeland improvements and land reclamation at high altitudes in the Alberta Rockies have proven disappointing so the scientists are now relying on the wisdom of Mother Nature. Researchers at the University are working with the native Alberta grasses selected by nature for growth at high altitude to make commercial seeding possible.

Dr. Dan Weijer, a professor in the Department of Genetics at the University is working on the project with support from interested Albert government departments and Parks Canada. As the first stage of the project, 36 different species of grass native to the Rocky Mountain area of Alberta were selected and transplantings numbering in the tens of thousands were made at the Ellerslie Genetics Field Laboratory south of Edmonton.

The progress of the seedlings is now being monitored and work on the genetic improvement of selected lines is being undertaken so that economical seed production will be feasible.

Dr. Weijer says that much of

the impetus for the project came from the depletion of the winter ranges of wild grazing animals caused by the extensive grazing of cattle in the Waterton area of the province. To remedy this, a grass with high forage value is being sought.

In addition, grasses suitable for a variety of reclamation uses are being sought. While the researchers are seeking one grass with wide adaptability, they are also looking for some grasses for special application, including a grass with low forage value for use where wildlife grazing is discouraged.

The Parks Canada people are especially interested in the project because in their restoration work they desire to keep the Parks as close to their natural state as possible. In connection with this, Dr. Weijer and his colleagues are also investigating a number of native legumes.

Work has now progressed to the stage where selected lines are being tested in mountain plots and Dr. Weijer anticipates that some varieties will be submitted for licensing in the very near future.

Preventive Social Services Act Studied

Professor Leslie Bella will be talking to a good many Albertans in the coming year. The Assistant Professor of Recreation at the University plans to visit different provincial centres to learn about Alberta's preventative social services program from the people whom it is designed to serve. Professor Bella intends to study the program's development in Calgary, Edmonton, Lethbridge, Lac La Biche, Strathcona County, the Municipal District of Smoky River, and in the Barons-Eureka district, and will conduct a survey of residents in several centres to hear the views of people representing a good cross section of the province.

She expects to spend about two weeks in each area learning about people's experiences with the program. The surveying will be part of the second stage of a two-stage study Professor Bella is undertaking with funding from Health and Welfare Canada. The

first stage, begun in 1977 and now completed, focused on the origin of the preventative social services program introduced in 1966 by the province's Social Credit government. The intriguing question was why did a government described as conservative—even reactionary—after thirty years in power introduce such progressive social legislation, the first of its kind in Canada.

Simply put, the legislators of the day thought that the program would keep people off welfare, says Professor Bella. To learn how and why the program came into being, she interviewed a number of the people who were involved: Socred cabinet ministers, senior civil servants (most are now retired), people who tried to influence the legislation, and others. She also studied municipal, provincial, and national government documents.

Her study identified ten goals held for the program; the major goals being the prevention of people becoming dependent on government welfare assistance, the prevention of marriage breakdown, the reduction of the need to remove children from families, and the promotion of general social and physical well-being. Professor Bella says that the goals were not all mutually consistent. She says that the goals of the administration were not exactly the same as those of the politicians, and to further complicate things, provincial fieldworkers, municipal politicians and administrators all tried to make the program meet their own objectives.

In spite of its inconsistencies the program is still one of the most progressive in the country, having kept the local government—the government closest to the people—actively involved in the delivery of social services. In fact, the program is seen as a possible model for legislation elsewhere in Canada.

Now Professor Bella is looking at how well the program has met the objectives set for it. Did the politicians, the provincial administrators, the municipalities, or the fieldworkers win out? In order to find the answers, she plans to interview some of the key people who were involved, review

relevant documents, study newspaper commentary, and review the program itself.

The surveys will be conducted with the assistance of undergraduate students during their summer break. Professor Bella says that when the survey was pre-tested in Edmonton almost invariably the man of the house, when asked if the family had made use of any services of the program, answered in the negative. The woman of the house, however, would then set matters straight by detailing the instances of use.

As a result, only women are to be surveyed. Not particularly scientific, perhaps, but realistic, says Professor Bella.

Foreign Language Learning Strategies Sought

What goes on in their minds while people learn? Dr. Manfred Prokop is keeping that question squarely before him as he attempts to develop a number of learning strategies which can be employed by people who are learning a second language.

Once the student progresses, the strategies might be adapted or rejected, but the students will have something concrete when they start out, says the Director of the Language Laboratory at the University.

Learning strategies are commonplace in most studious endeavors, he notes. For example, in acquiring knowledge from a textbook, the student underlines important passages and summarizes each chapter. For foreign language learning, however, strategies cannot as yet be so sharply defined.

Dr. Prokop and his colleagues in the Faculty of Arts are seeking input from students and are administering a questionnaire which deals with what learners of a second language do when they practice lab exercises in the language lab. The intention is to determine whether or not there is a general pattern of learning strategies and, if so, to offer the information to other students who are starting to learn another language. Many of the strategies

energy management

The Suggestion Box

The following suggestions and enquiries have been directed to the Suggestion Box since the last article appeared in *Folio*. The Suggestion Box is coordinated and compiled by the Department of Physical Plant, and those people with suggestions or comments on energy related matters should send them to the Suggestion Box, Office of Energy Management, 420 General Services Building.

In regard to the bus 'shelters' on 89 Ave.; in the winter these

listed relate to situations which the student is likely to have encountered; in the case of those strategies which do not refer to actual experiences or activities, the student is asked to consider the item from the point of view of "If I had used this strategy, how important would it have been to me?"

There is no timetable regarding completion of the questionnaire and Dr. Prokop is not predicting a revolutionary breakthrough when the returns are in. He does, however, believe that a contribution will be made in the step by step movement toward reliable prediction of success in foreign language learning.

Students' knowledge of effective learning strategies would, he feels, probably result in a lower dropout rate and higher achievement and could interest more people in foreign languages.

Dr. Prokop is also acquiring data on various teaching styles and verbal interaction in classrooms and intends to publish a book designed to benefit student teachers and beginning teachers. □

heating elements are turned on for the salutary purpose of keeping waiting passengers from freezing to death. The point is that they are vainly attempting to heat the entire Northern hemisphere. Since the shelters are open to the breezes, the only effect the heaters have is by direct absorption of the infra-red. Most of the heat given off is whisked outside. The best idea would be to either turn them off (since they do no good anyway), or else install some doors, of practically any material. If the breezes were not free to enter as they would, the shelters could easily be maintained at a comfortable temperature at a fraction of the expense, provided that some trivial form of thermostatic control was installed. NRPS

The heating systems installed in the bus shelters located along 89 Avenue have been equipped with infra-red heating deliberately to avoid the problems of maintenance which occur with doors in extremely high use areas. Since as you correctly indicate heating is achieved by direct absorption of heat by any objects in line of sight; and air as such, with minimal mass, absorbs minimal heat. For this reason little of the delivered heat escapes through the doors. Thermostatic control based on outdoor air temperatures is provided to control infra-red heaters.

The bus shelters on 114 St. and 87 Ave. are heated using thermostatically controlled conventional unit heaters (forced air convection) and since traffic is less, doors have been installed.

The scope of the energy conservation suggestions is very restricted, and some similar facility should be implemented for general suggestions. It is not sufficient to send them to some anonymous office and hope for a reply or consideration.

Why doesn't the University consider using automatic gates with magnetic card inputs for parking and save the cost of manning lots during the evening hours. OQFPV CS70

The energy conservation sugges-

tion box was implemented to address the specifics of energy. If the Office of Community Relations is approached, it may be persuaded to open a General Suggestion Box in conjunction with *Folio*. We feel this route would be more appropriate.

The manned parking booths, in addition to providing parking control, serve as information booths for visitors and provide a security presence and communication link to other areas if special assistance is required. Cost of manning these gates is recouped from revenue of visitors parking. Magnetic card readers have been investigated and it is felt that the maintenance problems preclude their use at this time.

Thank you for the "Suggestion Box" concept. A small point—if I may—it seems unlikely that the usage of automobiles will be entirely superseded by Public Transport. The latter cannot service all. However, surely means are available to encourage the use of small cars: e.g.—special parking areas for small vehicles (more cars in present areas—thus inhibit any further provision of parking space), lower parking rates for smaller vehicles—this coupled with modifying the parking area of (say) two or three levels of the Stadium and other parking areas might prove a net financial bonus to the University.

Perhaps other means are available to encourage the use of small vehicles by those who drive. R. Buyer

The merits of your suggestion on selected conversion of parking spaces to accommodate small cars has been investigated by Physical Plant. The principle is a good one; however, implementation and policing on existing facilities make conversion impractical.

In addition to repainting the parking lines at different spacing the electrical plug-ins would have to be completely rewired at a new spacing. The latter cost made parking conversion uneconomical.

Policing to see that only small cars used the assigned space and

no other would create management problems and reduce use diversification.

Mr. John Demco (Folio, Nov. 9, 1978, Page 2) asks a number of valid questions regarding conservation of energy on the campus.

He then negates his concern by suggestion that an office for dealing with local environmental concerns be created.

Such an office simply creates yet another centre for the generation of: a) Verbiage (probably 90% useless); b) Paper Utilization (Generation of reports, memos, and similar high-grade self aggrandizing garbage is the prime function of most bureaucrats); c) Navel contemplation ("In Depth" studies of "Aims and Objectives," "Goals," etc. of the bureaucracy in question).

There is also the potent factor that good productivity and energy may be utilized in supporting people to do a), b) and c).

It seems to me that if more people were willing to use that lump at the upper end of the spinal column with some measure of personal responsibility there would be a great deal less need for "offices," regulations, required courses and all the rest of the regimentation we are subject to.

If you think that the Festival of Lights Treatment accorded Bio. Sci. or other buildings on campus is a wasteful expenditure of energy, yell to Physical Plant Dept. (loudly and frequently). Similarly with regard to the yellow rubber stripes (after thoughts), stuck on our walks.

Yell at Physical Plant, Campus Development, Vice-President, (Planning and Development), etc. But for goodness sake do not create another office.

Do not delegate your personal responsibility to a bureaucracy whose main interest is likely to be self justification and survival. Mike Ostafichuk, Department of Botany.

Your viewpoint is duly noted! □

publications

Abu-Laban, B.R. (Sociology): Arab Immigration to Canada. In *Two Nations, Many Cultures: Ethnic Groups in Canada*, edited by J.L. Elliott. Scarborough: Prentice-Hall of Canada, 1979: pp. 372-383.

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Gephart, R.P. (Business Administration): Status degradation and organizational succession: An ethnomethodological approach. *Administrative Science Quarterly* 23, No. 4 (1978): pp. 553-582.

King-Farlow, J. (Philosophy): Philosophical Nationalism: Self-Deception and Self-Direction (CPA Presidential Address). *Dialogue* 7 (1978): pp. 591-615.

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coming events

Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to 423 Athabasca Hall.

Lectures and Seminars

Forestry Seminars

15 February, Thursday. 12:30 p.m. "Variable Yield Tables for Lodgepole Pine: Applications," with speaker W. Johnstone. 345 Chemical-Mineral Engineering Building.

21 February, Wednesday. 12 noon. "Aspen Site Evaluation," with speaker J.D. Caverly. 340 Chemical-Mineral Engineering Building.

22 February, Thursday. 12:20 p.m. "Adventitious Shoot Development on Roots of *Populus tremuloides*," with speaker G.A. Schier. 344 Chemical-Mineral Engineering Building.

Mathematics Lectures

16 February, Friday. 3 p.m. "Plant and Animal Forms and the Path Curves of F. Klein and S. Lie," with speaker Stephen Eberhard of the University of Montana. 657 Central Academic Building.

18 February, Sunday. 3:30 p.m. "Fields of Form," with speaker Stephen Eberhard of the University of Montana. Espace Tournesol.

Division of East European Studies Lecture

20 February, Tuesday. 3:30 p.m. "The Social Composition of the Ukrainian Communist Party," with speaker Bohdan Chomiak. 311 Athabasca Hall.

Marriage Preparation Seminar

The fourth in a series of 8 evenings, sponsored by the U of A Chaplains, will be held in the SUB Meditation Room at 7:30 p.m., Tuesday, 6 February. The topic will be "Legal Aspects of Marriage." For more information or registration, call Barbara Munro, 432-4621.

Sociology Lecture

16 February, Friday. 3 p.m. "Demographic Research in the Department of Employment and Immigration, Ottawa," with speakers S. Gordon and J. Samuel of the Department of Employment and Immigration, Ottawa. 5-15 Tory Building.

Art and Design Lecture

16 February, Friday. 8 p.m. "The Spiritual Quest of the Artist," with speaker Otto Rogers. Edmonton Art Gallery.

Canadian Institute of Ukrainian Studies Lecture

20 February, Tuesday. 12:30 p.m. "Shevchenko: the Great Ukrainian Romantiscist," with speaker Oleh Zujewskyj. 352C Athabasca Hall.

Computing Sciences Lecture

19 February, Monday. 4 p.m.
"Transaction Management for Database Systems," with speaker James Gray of the IBM Research Laboratory, San José, California. 611 General Services Building.

Zoology Lectures

16 February, Friday. 4 p.m.
"Competition and Communication in Hermit Crabs," with speaker B.A. Hazlett of the University of Michigan. 345 Agricultural Building.

22 February, Thursday. 4 p.m.
"Intercellular Communication: the Cell's Ma Bell," with speaker J.P. Revel of the California Institute of Technology. CW 410 Biological Sciences Building.

Art and Design Lecture

23 February, Friday. 2:30 p.m.
Ronald Davey will present a slide lecture on his works. 2-20 Fine Arts Building.

Canada in the Western World Lecture

21 February, Wednesday. 12:15 p.m.
"The Working Mother in Canada and Elsewhere," with speaker Rosalyn Sydnie. Alberta College.

Legal Services Lecture

15 February, Thursday. 8 p.m.
"Women and the Criminal Law (Part II)." Music Room, Edmonton Public Library.

Population Research Laboratory Lecture

15 February, Thursday 7:30 p.m.
"Rationality and Response to Crime," with speaker Gwynn Nettler. 129 Education Building.

Physics Lecture

20 February, Tuesday. 3:30 p.m.
"Problems of Transplantation: Current Approaches," with speaker Thomas Wegmann. V120 Physics Building.

Polish Culture Society Lecture

21 February, Wednesday. 7:30 p.m.
"Polish Identity in Canada and the Issue of Multiculturalism." with speakers P. Czartoryski,

K. Krotki, A. Matejko, and H. Wjocicki. 14-6 Tory Building.

Entomology Lectures

15 February, Thursday. 4:30 p.m.
"Glaciation and Climate in the Canadian High Arctic," with speaker J.H. England. 62 Athabasca Hall Annex.

22 February, Thursday. 4:30 p.m.
"Distribution and Hosts of Spurge Flea Beetles," with speaker Eric Maw. 62 Athabasca Hall Annex.

Classics Seminar

15 February, Thursday. 4 p.m.
"Wine Making in the Roman World," with speaker J. Rossiter. 1-8 Humanities Centre.

Guild for Mediaeval and Renaissance Studies Lecture

15 February, Thursday. 12:30 p.m.
"A 15th Century Scottish Poet: Robert Henryson's *The Testament of Cresseid*," with speaker Stephen Scobie. 3-19 Humanities Centre. For further information telephone 432-5132.

Poetry Readings

15 February, Thursday 12:30 p.m.
Stephen Scobie, Douglas Barbour, Oliver Botar, and Lars Bolan will read their poetry in the second of a series of readings. Students' Union Art Gallery.

16 February, Friday. 12:30 p.m.
West Coast poet Maxine Gadd will read her works. AV L-3, Humanities Centre.

Planned Parenthood Association Lecture

20 February, Tuesday. 7:30 p.m.
"Learning About Sex." Music Room, Edmonton Public Library.

Botany Lecture

21 February, Wednesday. 4:30 p.m.
"Generation and Metabolism of Formate in Greening Barley Leaves," with speaker David Gifford. M-149 Biological Sciences Building.

Philosophy Club Lecture

22 February, Thursday. 3:30 p.m.
"Plato's Alleged Theory of Ideas," with speaker Francis Sparshott of the University of Toronto. 4-65 Humanities Centre.

Chaplains' Association Lecture

22 February, Thursday. 3 p.m.
"Sinful Work Structures," with speaker Aleksander Matejko. 14-6 Tory Building.

Creation Science Lectures

23 February, Friday. 12 noon.
"Whatever Next?" a creation science slide presentation with speaker Lane Lester of the Institute for Creation Research, San Diego. Students' Union Theatre.

23 February, Friday. 8 p.m.
"Whatever Next?" a creation science slide presentation with speaker Lane Lester of the Institute for Creation Research, San Diego. Jubilee Auditorium.

Department of Slavic Languages

16 February, Friday. 11 a.m.
"A Man Called Simas," with speaker Simas Kudirka. 2-115 Education North Building.

Music

Department of Music

The following student recitals will be given free of admission in Convocation Hall on the dates stated:

16 February, Friday. 5 p.m.
Liane Gayler, flautist.

19 February, Monday. Joanne Ludbrook, cellist.

20 February, Tuesday. 5 p.m.
Tim Mallendaine, tenor.

8 p.m. Doreen Beck, flautist.

22 February, Thursday. 8 p.m.
Maureen Crotty, flautist.

23 February, Friday. 5 p.m.
Richard Fossey, trumpet.

In addition, the following concerts will be held:

17 February, Saturday. 8 p.m.
The University of Alberta String Quartet will perform works by Mozart, Schubert, and Kodaly. Convocation Hall. No admission charge.

18 February, Sunday. 8 p.m. The University of Alberta Concert Choir will perform. Tickets available from the Department of Music, 3-82 Fine Arts Building,

and at the door.

19 February, Monday. 8 p.m.
The University of Alberta Stage Band will perform. RATT, Students' Union Building.

21 February, Wednesday. 8 p.m.
Works by student composers in the Department of Music will be performed. 1-29 Fine Arts Building.

Latitude 53

16, 17 February. 12 noon. Jan Randall presents a recital of songs with jazz overtones.

18 February, Sunday 2:30 p.m.
Works by student composers of Grant MacEwan Community College, The University of Alberta, and Alberta College will be performed.

From 20 February. 8 p.m. Brian Donnelly in recital. For further information telephone 423-3126.

South Side Folk Club

17 February, Saturday, 8 p.m.
The South Side Folk Club presents Ron Knowlton of Calgary performing British contemporary folk music; and Derek Elliot of Edmonton. Orange Hall, 104 Street at 84 Avenue. For ticket reservations telephone 475-1042.

Jubilee Auditorium

14, 15 February 8:30 p.m. Carol Lawrence will perform with the Edmonton Symphony Orchestra. Tickets at the Bay and at the Edmonton Symphony office.

16 February, Friday 8 p.m.
Edmonton Overture Concerts presents Ronald Turini. Tickets at the Bay

Edmonton Opera Association

22, 24, 26 February. 8 p.m.
Edmonton Opera Association presents Verdi's *Macbeth*. Tickets at the Citadel Box Office, the Bay, and at the Edmonton Opera Association office.

Theatre

Studio Theatre

To 17 February. *Good News* by B.G. DeSilva and Laurence



A scene from Good News

Schwab; music by Ray Henderson. Corbett Hall. For ticket information and show times, telephone 432-2495.

Citadel Theatre

From 21 February. *Charley's Aunt* by Brandon Thomas.

To 25 February. *The Chairs and The New Tenant* by Eugene Ionesco.

For further information contact the Citadel Box Office, telephone 425-1820.

Walterdale Playhouse

From 20 February. Young Walterdale Players present *Out of the Frying Pan* by Francis Swann. For ticket information and show times, telephone 424-0121.

Theatre Network

From 20 February. Sneezy Waters in *Hank Williams: the Show He Never Gave*. Princess Theatre. Tickets at the SU Box Office (HUB Mall), Mike's, and at the door.

Students' Union Theatre

From 20 February. Edmonton Separate School Board presents Rodgers' and Hammerstein's

The King and I. Tickets available at St. Anthony's Teacher's Centre, telephone 439-7356, and from any Separate high school.

Films

Citadel National Film Theatre

14, 15 February. 7:30 p.m. *Alexander Nevsky* (USSR, 1938).

9:15 p.m. *The Childhood of Maxim Gorky* (USSR, 1938).

16 February, Friday. 7:30 p.m. and 9:35 p.m. *Woman of the Dunes* (Japan, 1964).

18 February, Sunday. 8 p.m. *Woman of the Dunes* (Japan, 1964)

21 February, Wednesday. 7:30 p.m. *Make Way for Tomorrow* (United States, 1937). 9 p.m. *His Girl Friday* (United States, 1940).

22 February, Thursday. 7:30 p.m. *Autobiography of a Princess* (Great Britain/United States, 1975). 8:30 p.m. *The Householder* (India, 1963).

23 February, Friday. 7:30 p.m. and 9 p.m. *Jazz on a Summer's Day* (United States, 1958).

25 February, Sunday. 8 p.m. *Jazz on a Summer's Day* (United States, 1958).

Edmonton Film Society

19 February, Monday. 8 p.m. *Day of Wrath* (Denmark, 1943). TL-11, Tory Lecture Theatre.

21 February, Wednesday. 8 p.m. *Lolita* (United States, 1962). TL-11, Tory Lecture Theatre.

Audubon Wildlife Film

24 February, Saturday. 8 p.m. *East Side Story—Brahms to Quebec*. Provincial Museum.

Cinematheque 16

15, 16 February 7:30 p.m. *Viva Zapata* (United States, 1952).

18 February, Sunday. *Little Big Man* (United States, 1975).

23, 23 February. 7:30 p.m. *The Ugly American* (United States, 1963).

25 February, Sunday. 2 p.m. *Alice's Restaurant* (United States, 1975).

For ticket information contact

Cinematheque 16, telephone 437-3863.

Edmonton Public Library

17, 18 February. 2 p.m. W.C. Fields and Mae West in *My Little Chickadee*. Centennial Library Theatre.

Department of Germanic Languages

15 February, Thursday. 7:30 p.m. *Der Koenig von Bayern*. (Germany, 1967). 17 Arts Building. No admission charge.

22 February, Thursday. 7:30 p.m. *Einen Jux will er sich machen*. 17 Arts Building. No admission charge.

Boreal Institute for Northern Studies

20 February, Tuesday. 8 p.m. *Fires of Spring* (University of Alberta produced, Canada 1978). CW 410 Biological Sciences Building.

Provincial Museum

18 February, Sunday 4 p.m. and 7 p.m. W.C. Fields and Mae West in *My Little Chickadee* (United States, 1940).

21 February, Wednesday. 7 p.m. *Twelve Angry Men* (United States, 1957).

25 February, Sunday. 4 p.m. and 7 p.m. W.C. Fields in *You're Telling Me* (United States, 1934).

Humanities Film Society

22 February, Thursday. 7 p.m. *Great Expectations* (Great Britain, 1946). TL-11 Tory Lecture Theatre. Admission \$1.

Exhibitions

University Art Gallery and Museum

Continuing. "Mr. Jackson's Mushrooms," an exhibition of drawings and watercolors of mushrooms.

Students' Union Art Gallery

From 15 February. An exhibition of recent works by fabric artists Carol Sabiston and Jane Thomas.

Edmonton Art Gallery

Continuing. An exhibition of photographs by Eleanor Lazare. From 15 February. An exhibition of drawings by Jack Weldon Humphrey.

From 16 February. An exhibition of paintings and sculpture by Otto Rogers; and an exhibition of silk screen prints by George Weber.

Provincial Museum

To 18 February. "French Folk Art," an exhibition that interprets the origins, approaches, and traditions of French folk art.

Anthropology Exhibit

Continuing. "Days Gone By," an exhibition depicting Yukon Indians and their changing life-style from 1900 to 1960. 12-26 Tory Building.

Cameron Library

Continuing. An exhibition to mark the tercentenary of John Bunyan and *The Pilgrim's Progress*. Special Collections Division, Cameron Library.

Centennial Library

Continuing. An exhibition of black and white photos by George Vaitkunas.

To 25 February. An exhibition of cityscapes and landscapes by Harry Wohlfarth.

Points of Interest

Campus Observatory

Friday Evenings For information and tour reservations telephone 432-2325.

Tropical Greenhouse

The Plant Science Tropical Display Greenhouse, located just south of the Agriculture Building, is available for public viewing. The Greenhouse is open from 9 a.m. until 3:30 p.m. weekdays and from 2 p.m. to 4 p.m. Sundays. Guided tours can be arranged on weekdays for groups of five or more.

service information

Notices

Notices must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Notices should be sent to 423 Athabasca Hall.

Departmental Telephone Changes

The following information has been received from A.M. Rennie, Director, Administration Services.

On 9 January, City Council, after much publicized debate, approved new telephone rates for business and residential customers. The media coverage identified the business increase as 2% and the residential increase as 6%. Regrettably, the business increase referred to by the media does not bear any relation to the increase levied on Centrex systems which service centres such as the University of Alberta, University of Alberta Hospital, provincial government, federal government, etc. Centrex systems—unlike single business lines—were hit particularly hard by the rate change, e.g. whereas normal business lines went up 35c per month (2%), Centrex lines went up \$1.80 per month (11.7%).

The impact of the rate changes will vary between University departments, depending on the line and equipment configuration within each department. In an earlier memo (12 January 1979) in order to assist Departments with planning their 78-80 operating budgets, I indicated that the average departmental expenditure for both equipment rentals and line charges would increase by 8%. It should be noted that 'edmonton telephones' are attempting to operate on a two year cycle of rate increases. The last telephone rate increase was 1 February, and the new rates implemented on 1 February are expected to remain in force for a two year period.

A rate submission protesting the amount and more particularly the concepts behind the rate increases of February, 1977, was presented to 'edmonton telephones' on 3 November 1977. While our submission was accorded a sympathetic hearing, it appears to have been virtually ignored. Our statement to 'edmonton telephones' that the present rate structure would force us to reduce lines has been borne out in the past year. A further decrease in the number of lines is expected to occur in 1979-80.

Search Committee for Vice-President (Academic)

The Nominating Committee of the General Faculties Council is seeking nominations for one full-time faculty member to the Search Committee for a Vice-President (Academic) to be elected by GFC. Nominations will be received from members of GFC until 4:30 p.m., Friday, 16 February 1979.

Please submit nominations, with accompanying *vitae* to the Secretary of the Nominating Committee, 2-1 University Hall, telephone 432-4715 or 432-4965.

Traffic Closure

In conjunction with the construction of the new University Health Services building, 88 Avenue between 111 Street and 112 Street, will be closed through traffic on 26 February. Access to "Z" parking zone from 112 Street will be maintained, and emergency vehicle access will be accommodated. Metered parking on the north side of 88 Avenue will be relocated to the west side of 111 Street.

The area extending from 88 Avenue on 111 Street to approximately the eastern wall of the Fine Arts Centre will be redesigned and landscaped to accommodate pedestrian and emergency vehicles only. Access to "Z" zone will be redesigned, maintaining access from 112 Street and, funds permitting, "Z" zone will be upgraded.

It is intended that this work be undertaken as part of the 78-80 Paving-Grounds Program.

Boreal Circle Meeting

The public is invited to attend the fifth meeting of the Boreal Circle Lecture series which will be held on Tuesday, 20 February, at 8 p.m. in the Lounge of the Biological Sciences Building (Floor 4, Centre Wing, CE 410).

The guest speaker will be Dr. H.T. Lewis, Department of Anthropology. He will present his new film, *Fires of Spring*, and he will be available to answer questions after the screening.

Lost and Found

One lady's boot was taken by mistake at the Lister Hall Banquet Room on 15 January. Please contact D. Goodale for exchange, telephone 433-9911.

Surplus Equipment

The equipment listed below has been declared surplus. For further information about the purchase of this equipment or the disposal of any of your department's surplus equipment, consult Bonnie O'Dwyer or Roy Bennet, telephone 432-3208.

One Decwriter 11 LA 36 30 char/second hardcopy terminal. For further information contact S. Sutpen, Department of Computing Science, telephone 432-4768.

Positions Vacant

Technical Supervisor (Television)

Required for the Department of Radio and Television to supervise the technical operations and advise the University community on television equipment capabilities and standards. Qualified applicants should be graduates of a recognized technical school in electronics with a least 5 years' experience in broadcast television. Experience with helical scan video recorders, industrial and broadcast quality video cameras and associated equipment is required. Knowledge of cable television systems would be an asset. Previous supervisory experience is highly desirable. Starting salary from \$17,500 per annum commensurate with education and experience. The University offers a comprehensive employee benefits package including a dental plan.

Interested persons please apply by comprehensive résumé to: The Director, Department of Radio and Television, 6-29 Mechanical Engineering Bldg., University of Alberta, Edmonton, Alberta T6G 2G8

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 9 February.

Duplicating Operator I (\$695-\$748)—Law
Clerk Typist II (\$695-\$803)—Provincial

Laboratory; Office of the Comptroller; Housing and Food Services
Clerk Steno II (\$695-\$830)—Mechanical Engineering; Animal Science; Education—Student Records office; Dean of Education
Library Clerk II (\$695-\$830)—Faculté Saint-Jean
Clerk Typist III (\$748-\$895)—Soil Science; Student Counselling Services
Data Entry Operator I (\$772-\$929)—Bookstore
Senior Financial Records Clerk (\$772-\$929)—Drama
Clerk Steno III (\$772-\$929)—Educational Psychology; Personnel Services and Staff Relations; Physiology; Electrical Engineering; Physics, Student Counselling Services; Law; Secretariat; Civil Engineering
Clerk Steno III (\$772-\$929, trust)—Community Medicine
Clerk Steno III (\$772-\$929, term)—Education—Field Services
Programmable Typewriter Operator II (\$803-\$969)—Personnel Services and Staff Relations
Admission Records Trainee (\$803-\$969)—Office of the Registrar
Data Entry Operator II (\$830-\$1,009)—Sociology
Secretary (\$863-\$1,053)—Extension; Vice-President (Finance and Administration); Pharmacology
Departmental Secretary (\$969-\$1,192)—Psychiatry
Computer Assistant I (\$695-\$830)—Computing Services
Technician I (\$895-\$1,096)—Soil Science
Electronics Technician I (\$929-\$1,143)—Civil Engineering

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Canadian Representative Jacquelin Ogg, Dept. of Drama, The University of Alberta, Edmonton, Alberta, T6G 2C9, Telephone 432-2492 (office); 435-1691; 432-2271 (message).

Building Service Worker IV (\$969-\$1,192)—Housing and Food Services (HUB)
 Technician II (\$1,009-\$1,243)—Pathology (R.T.); Animal Science (Instrumentation)
 Security Officer I (\$1,009-\$1,243)—Campus Security
 Laboratory Technologist I (\$1,009-\$1,243)—Provincial Laboratory—Edmonton
 Nurse (\$1,096-\$1,354)—University Health Services
 Programmer/Analyst II/III (\$1,192-\$1,759)—Computing Services
 Programmer/Analyst III (\$1,415-\$1,759)—Chemical Engineering
 Programmer/Analyst III/IV (Word Processing Systems Analyst) (\$1,415-\$2,104)—Computing Services
 Biology Technologist IV (Biosafety) (\$1,476-\$1,838)—Medical Bacteriology
 Graphics Supervisor (\$1,543-\$1,923)—Technical Services

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.

Library Assistant I (\$803-\$969)—Acquisitions

Advertisements

All advertisements must be received by 4:30 p.m. on the Thursday prior to publication. The cost is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.

Accommodations available

For rent—Belgravia. Three bedroom house. 1,330 square feet. Furnished. Additional bedroom and playroom in finished basement. 2½ bathrooms. Garage. Large quiet lot. Ideal family house. Close to campus. Available for twelve months from 1 July. \$500 per month. Dr. Simpson, 432-2325.

For sale—Windsor Park. By owner. Approximately 1,700 sq. ft. bungalow. Finished basement. Large lot. Clear title. \$168,500 firm. For appointment, call Mrs. Gerald 433-8956. No agents please.

For rent—Furnished or unfurnished offices from \$150 monthly. Close to University. Secretarial and photocopying services available. Phone 432-7565 or 433-6663 evenings.

For sale—12 x 48 newly remodelled mobile home. On acreage two miles south Sherwood Park. Includes fridge, stove, washer, dryer, custom-made drapes, attached shed, sundeck. Must sell, leaving province. \$12,500. 467-1676 evenings.

For rent—Ottawa. 1 July 1979 - 1 July 1980. Furnished three-bedroom home, brick with fireplace, close to Carleton University and Ottawa University. \$575 a month plus utilities. Prof. Eugene Swimmer, 155 Belmont Ave., Ottawa. 613-235-2978.

For sale—By owner. Duggan, three-bedroom bungalow. Family room, bathroom, den, and storage area downstairs. Double garage, garden shed, fully fenced. \$85,500. 435-6009. No agents.

For rent—Large three-bedroom apartment. Own entrance, new 4-plex. Ideal for family or small group. Appliances, some utilities included. Central quiet position. 14617A 103 Avenue. Phone 458-8478 evenings.

For rent—For one year up to 15 months beginning May/June 1, 1979. New split level home, Southside/

Blue Quill, three bedrooms, 1½ bathrooms, garage. Furnished and decorated, three major appliances, good bus connections, close to large shopping centre. No pets. References. Damage deposit. \$600 monthly. Call 432-5930 or 435-9527.

For sale—Westend by owner. 1½ years old, three-bedroom condominium. 1½ bathrooms, four appliances, landscaping. Asking \$46,600, offers. A real deal. 462-5762 evenings and weekends.

For sale—By owner. King Edward Park. Three bedrooms, 1,200 sq. ft., 1½-storey, fully renovated. \$74,900. Call Jeff 432-5291, 439-5074, 963-7208.

For rent—Home on 22 acres. Ravine view. Very private. 45 minutes S.W. of University. Excellent paved roads. Please consider it can take longer to drive to many Edmonton suburbs. Four bedrooms, three bathrooms on three levels. Fully carpeted. Fireplace, attached double garage with automatic door opener. Five appliances, private telephone line. Deck surrounding house—and more. \$600 per month. Negotiable. \$500 damage deposit. Long term lease. Available ASAP. June bus. 426-5002, evenings 433-6376, weekends 1-789-3800.

For sale—South Petrolia. Former Perry show home. 1,921 sq. ft. on huge

pie-shaped lot across from the Derrick Golf and Country Club. Four bedrooms, three bathrooms, family room with open fireplace and patio doors to cedar deck, attached double garage. All appliances and drapes. \$142,500. 11763 35 Ave. 436-8306.

For sale—New listing Groat Estates. Older home with over 2,000 sq. ft. Large new kitchen, large dining and living rooms main floor. Three large bedrooms second floor with washer and dryer area. Third floor family room could be used as a suite with separate entrance or large master bedroom. Many extras include Jenn-Aire stove, built-in dishwasher, two open fireplaces. Wired for intercom. Priced to sell. \$118,500. Call Norm Werenka. A.E. LePage Melton Ltd. 451-2437 or 487-6150.

Available for purchase—Two blocks to campus (on Windsor Road) facing beautiful neighborhood park. Spacious well kept two-bedroom bungalow with basement that includes large family room. Featuring natural stone fireplace, bedroom, workshop area, shower, and cold room. The large 70' x 140' well-treed lot, attached heated garage and separate carport add to the livability of this exclusive property. For viewing arrangements contact Frost Perry & Associates Ltd., 488-3990 or Mr. Ken Perry



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For rent—Three bedroom house. Fireplace, garage, five appliances. Available 1 July for one year. 436-9591, 432-3190.

For rent—Fully furnished three bedroom home in Greenfield. 1,950 sq. ft. Fireplace, large treed lot, direct bus to University. Available for one year from 1 Aug. Rent \$550. 432-2447, 436-3386.

For rent—Bungalow in Riverbend, furnished or unfurnished, three bedrooms, 2½ bathrooms, finished basement, garage, 15 minutes to University. Available July 1979 to August 1980. \$600 monthly. 435-3072. Office for rent—Attractive. 800 sq. ft. Whyte Avenue near Hospital and University. Street level in highrise. Parquet floor and carpet. Redecorated. Ideally suited for research, engineering, legal, secretarial professions, holding company or association. All utilities provided. Ample plug parking facilities. Immediate occupancy. Phone Mr. Andrews 433-1676 for appointment.

For sale—By owner. Corner lot, three bedrooms, 2½ garage, basement suite. Direct bus to city centre. Southgate, University, NAIT. Three schools close by. 10803 61 Avenue. 435-4569.

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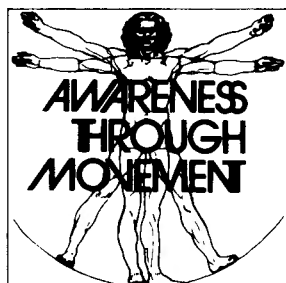
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